

NSHP Energy Efficiency

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High Performance Buildings Office



Before submitting a NSHP application...

- ❖ Ensure that the building exceeds current Title 24 Standards by at least 15%
- ❖ Title 24 documentation must be completed by a CEPE
<http://www.cabec.org/ceperosterall.php>
- ❖ All builder supplied appliances must be ENERGY STAR rated
<http://www.energystar.gov>





www.cheers.org



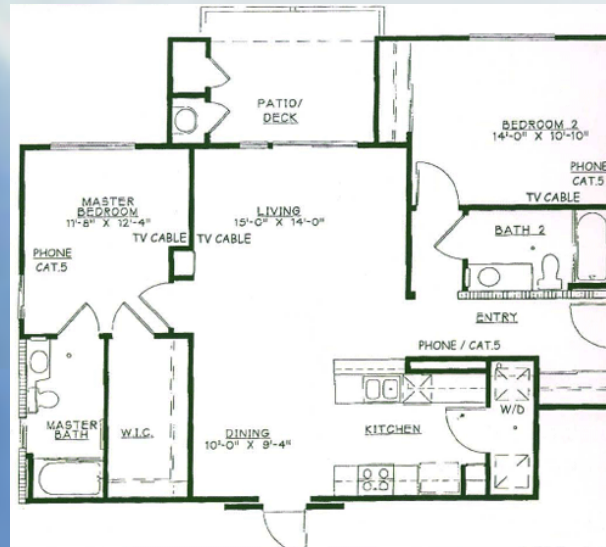
www.calcerts.com



Plan Check Documentation

❖ Construction Plan Set

- Architectural, Electrical, Mechanical, and Plumbing
- Window/Door Schedule showing sizes and including ALL skylights
- Elevation, wall, roof, floor construction assemblies
- Floor finish schedule (if CF-1R shows high mass design)
- A site plan with a North Arrow (custom homes)



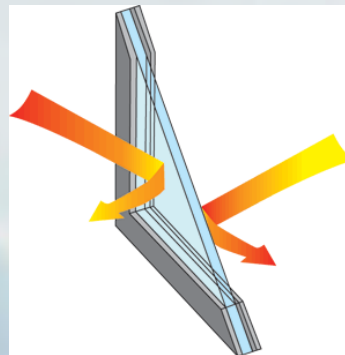
Plan Check Documentation

❖ Title 24 and PV Forms and Files

- CF-1R-prepared by a Certified Energy Plans Examiner
- .bld or .mp8 (EnergyPro or Micropas)
- CF-1R-PV
- .her and .emf

❖ Equipment and Materials Spec Sheets

- Windows, Glazed Doors, Skylights
- Space Heating
- Air Conditioning
 - (www.ahridirectory.org)



Energy Efficiency Inspection

❖ Before EE Inspection:

- Rater must obtain applicable CF-6R(s) from installer
- Rater must obtain EE checklist from HERS registry

❖ HERS rater will verify features installed using checklist

- Pre-drywall inspection
- Final inspection



Photovoltaic Inspection



- ❖ Before PV Inspection
 - Rater must obtain applicable CF-6R-PV from installer
 - Rater must obtain PV checklist from HERS registry
- ❖ HERS rater will verify system performance using checklist.



2008 Standards Changes

- ❖ Detailed description of major changes:
http://www.energy.ca.gov/title24/2008standards/2008_STANDARDS_CHANGES.PDF
- ❖ New HERS measures
- ❖ Revised Compliance Software Manual calculations
- ❖ Improved roof and attic modeling



Questions?

2008 Documents available at:

<http://www.energy.ca.gov/title24/2008standards/>

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